

2007-09-27

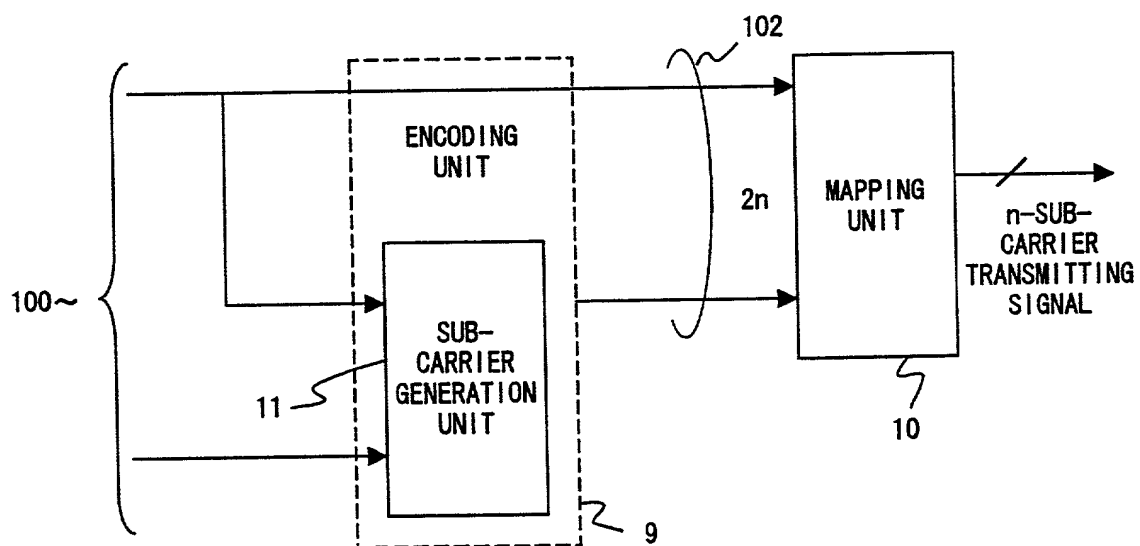


FIG. 1

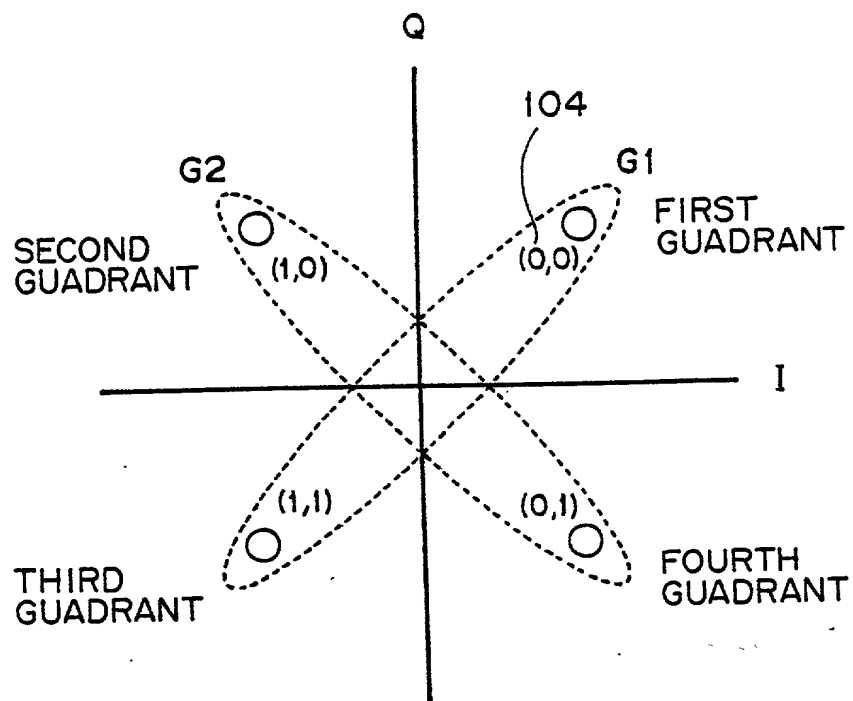


FIG. 2

- (1) IN CASE S_1 AND S_2 BELONG TO THE SAME GROUP
- (a) $S_3 = \bar{S}_1$
 S_4 : AN ARBITRARY SIGNAL POINT
 - (b) $S_3 = S_1$
 $S_4 = \bar{S}_2$
 - (c) IN CASE S_3 BELONGS TO A DIFFERENT GROUP FROM S_1 AND S_2
 $S_4 = S_2$
 - (d) IN CASE S_3 BELONGS TO A DIFFERENT GROUP FROM S_1 AND S_2
 - (i) IN CASE $S_1 = S_2$
 $S_4 = \bar{S}_3$
 - (ii) IN CASE $S_1 = \bar{S}_2$
 $S_4 = S_3$
- (2) IN CASE EACH OF S_1 AND S_2 BELONGS TO A DIFFERENT GROUP
- (a) $S_3 = S_1$
 S_4 : AN ARBITRARY SIGNAL POINT
 - (b) $S_3 = \bar{S}_1$
 $S_4 = S_2$
 - (c) IN CASE S_3 BELONGS TO THE SAME SIGNAL POINT GROUP AS S_2
 $S_4 = \bar{S}_2$
 - (d) $S_3 = S_2$
 $S_4 = S_1$
 - (e) $S_3 = \bar{S}_2$
 $S_4 = \bar{S}_1$

F I G. 3

20250201 09024307

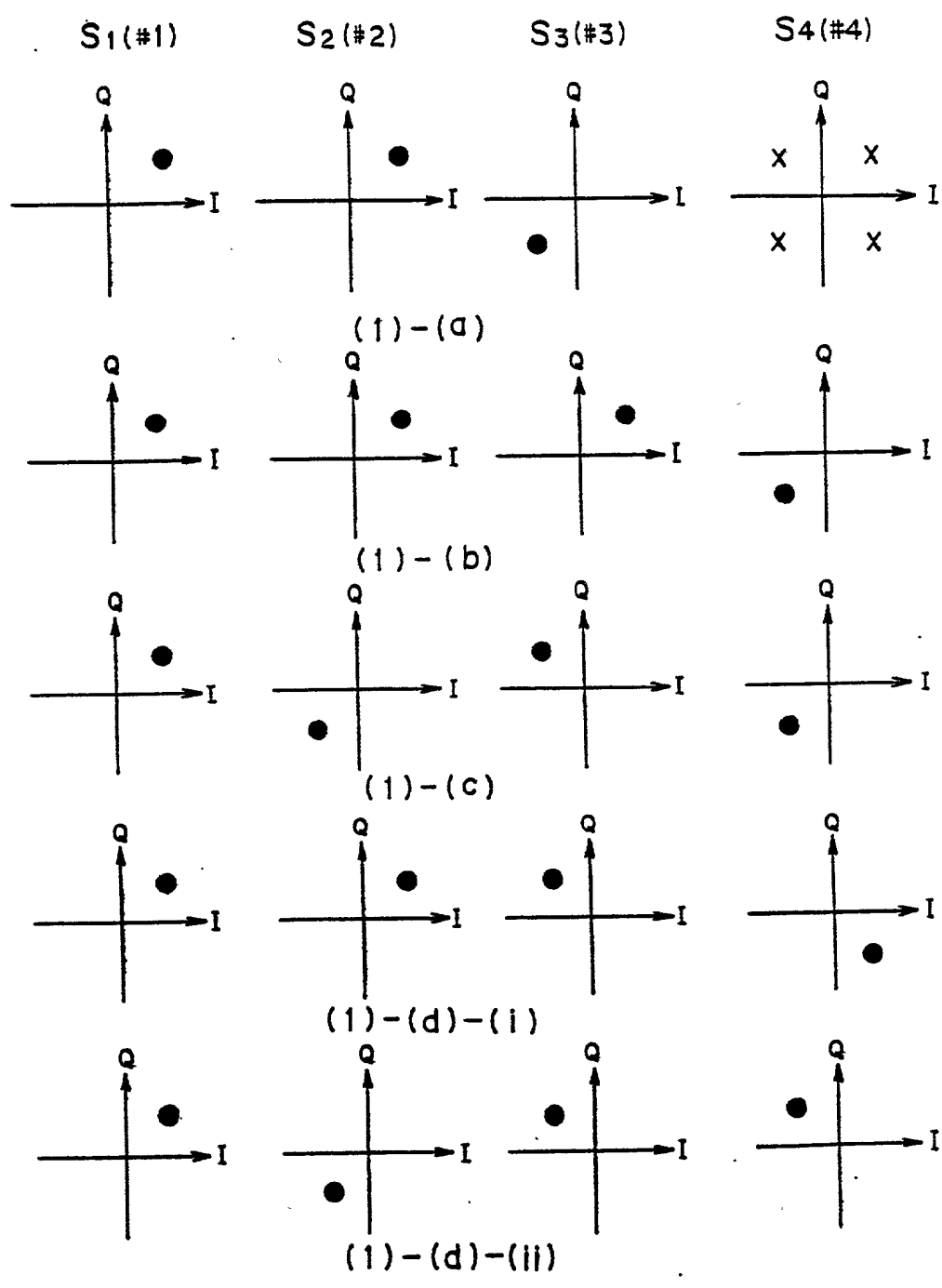


FIG. 4

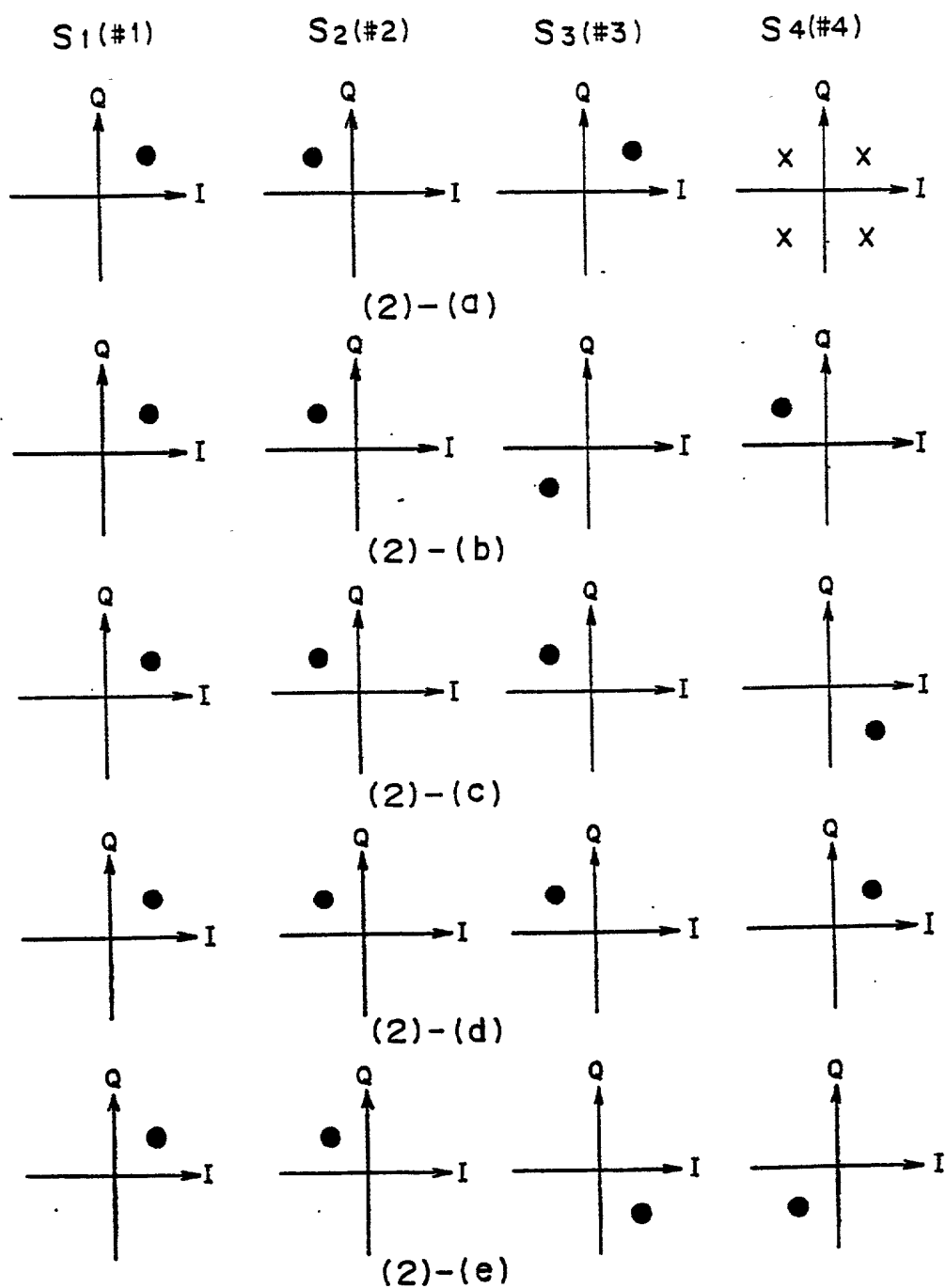


FIG. 5

20070619 15:02:20

PHASE CONDITIONS			NUMBER OF PATTERNS	TOTAL NUMBER OF PATTERNS
(1)	(a)		4	9
	(b)		1	
	(c)		2	
	(d)	(i)	2	
	(d)	(ii)	2	
(2)	(a)		4	9
	(b)		1	
	(c)		2	
	(d)		1	
	(e)		1	

FIG. 6

20220429 15:02:00

NUMBER OF SUB-CARRIERS	PEAK POWER SUPPRESSION AMOUNT [dB]
4	2.04
8	1.95
12	2.04

F I G. 7

2025 RELEASE UNDER E.O. 14176

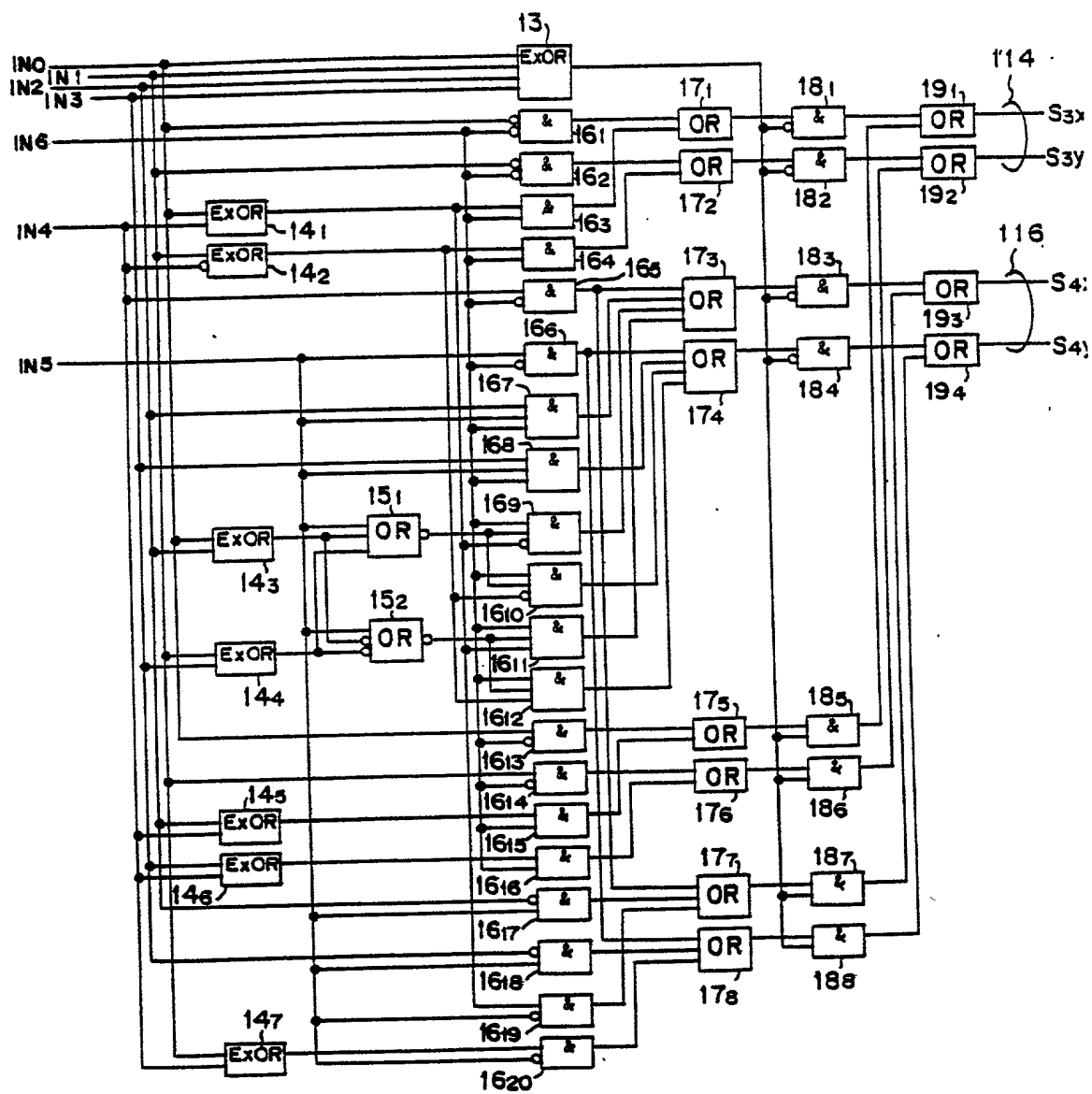


FIG. 9

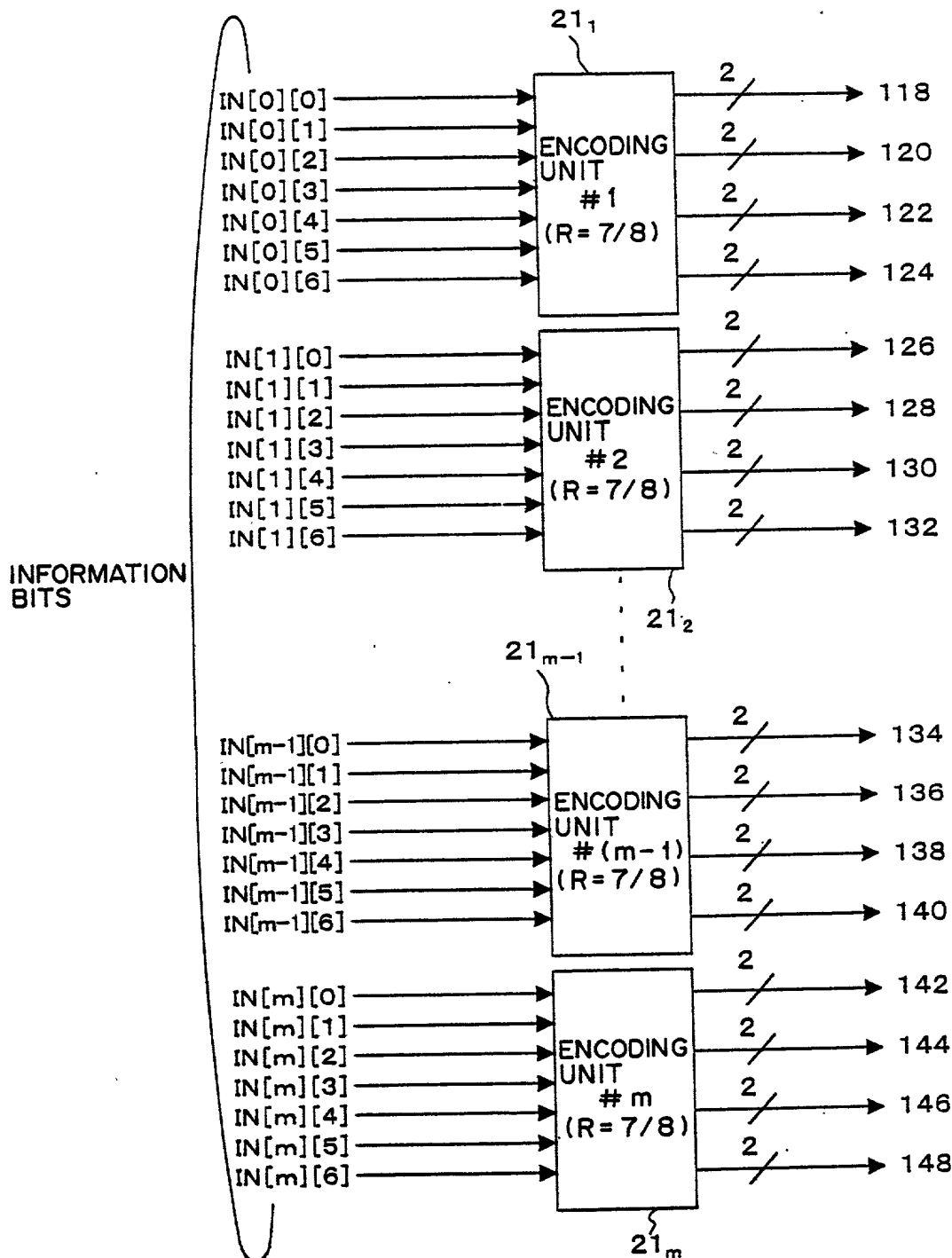


FIG. 10

FIG. 11

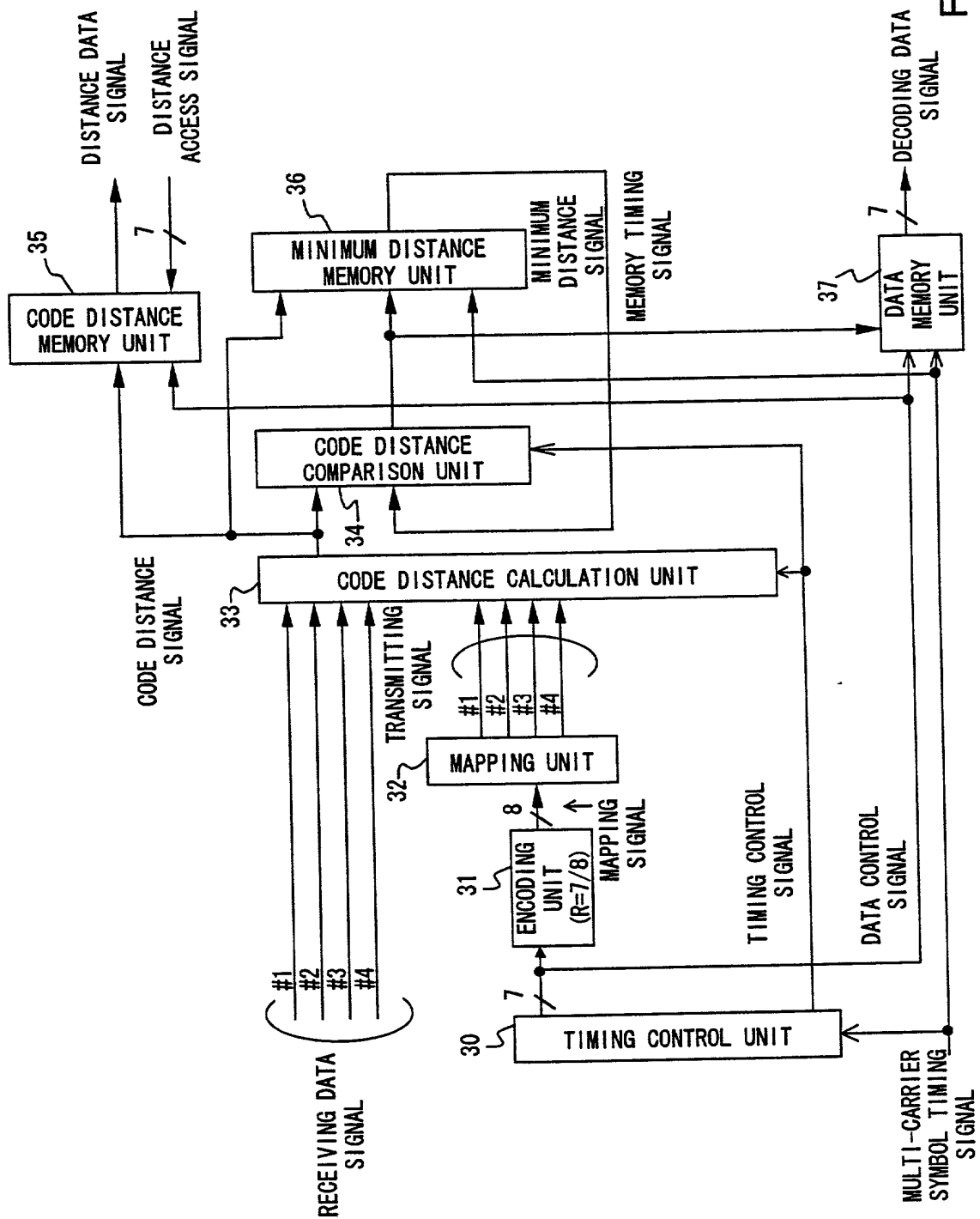


FIG. 12

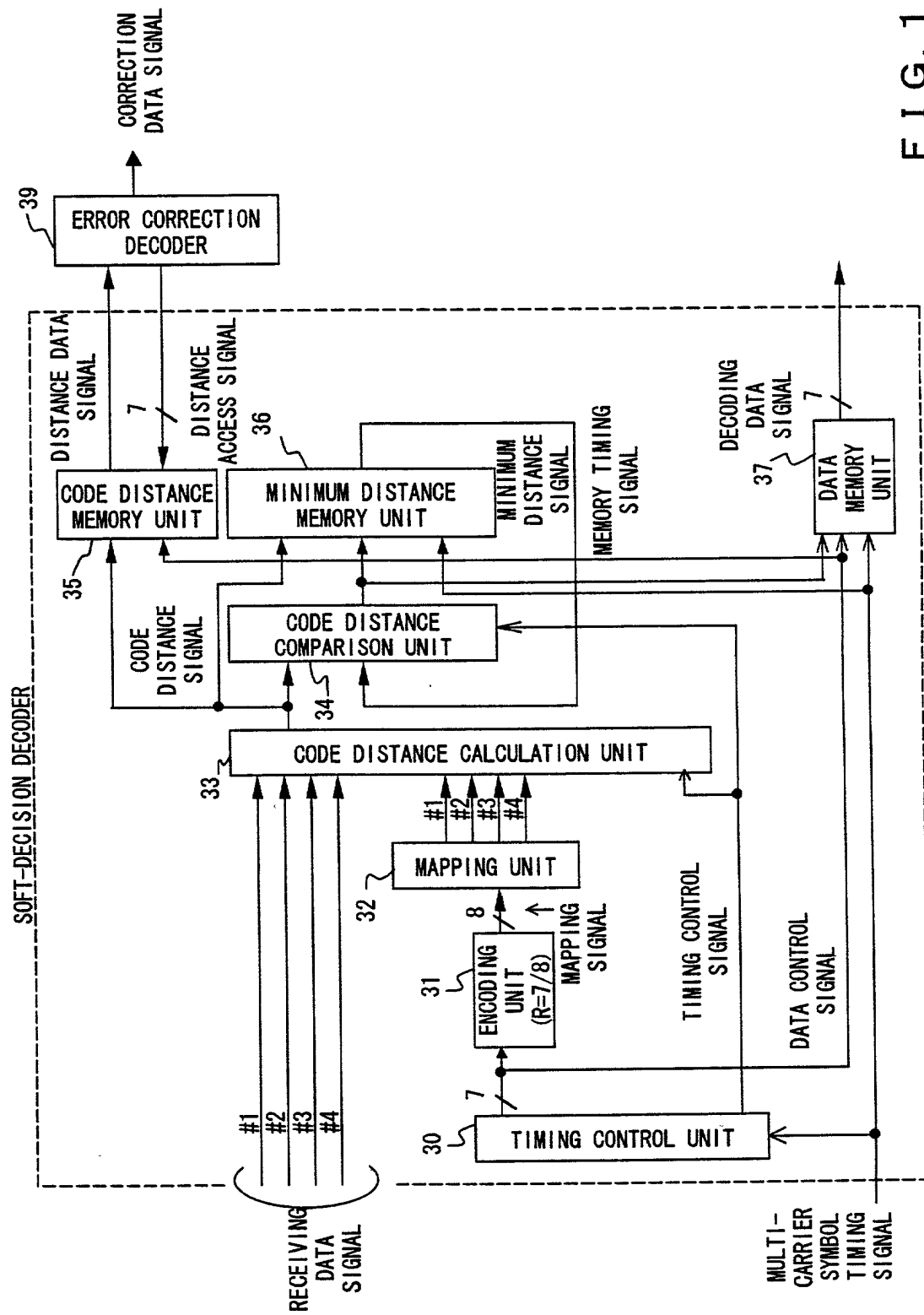


FIG. 13

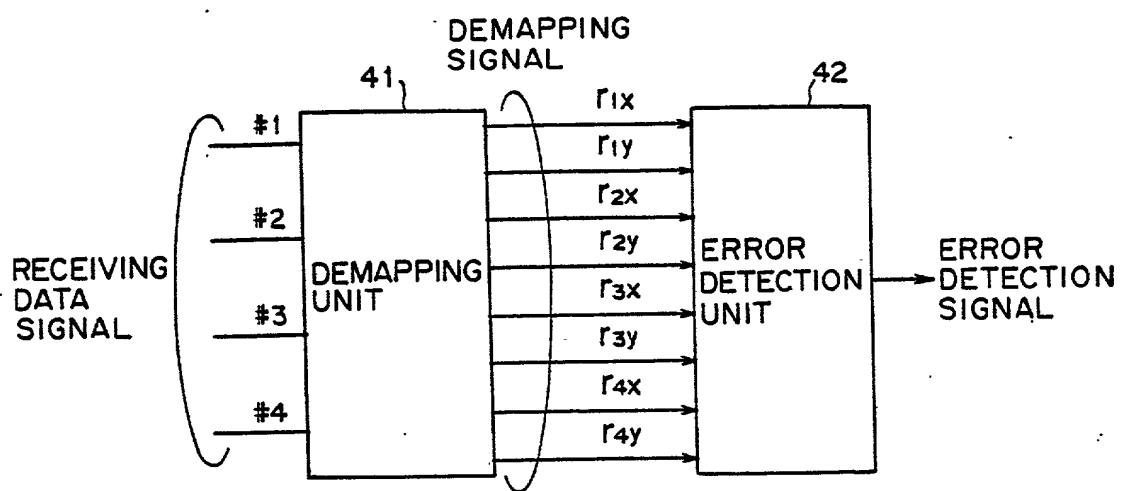


FIG. 14

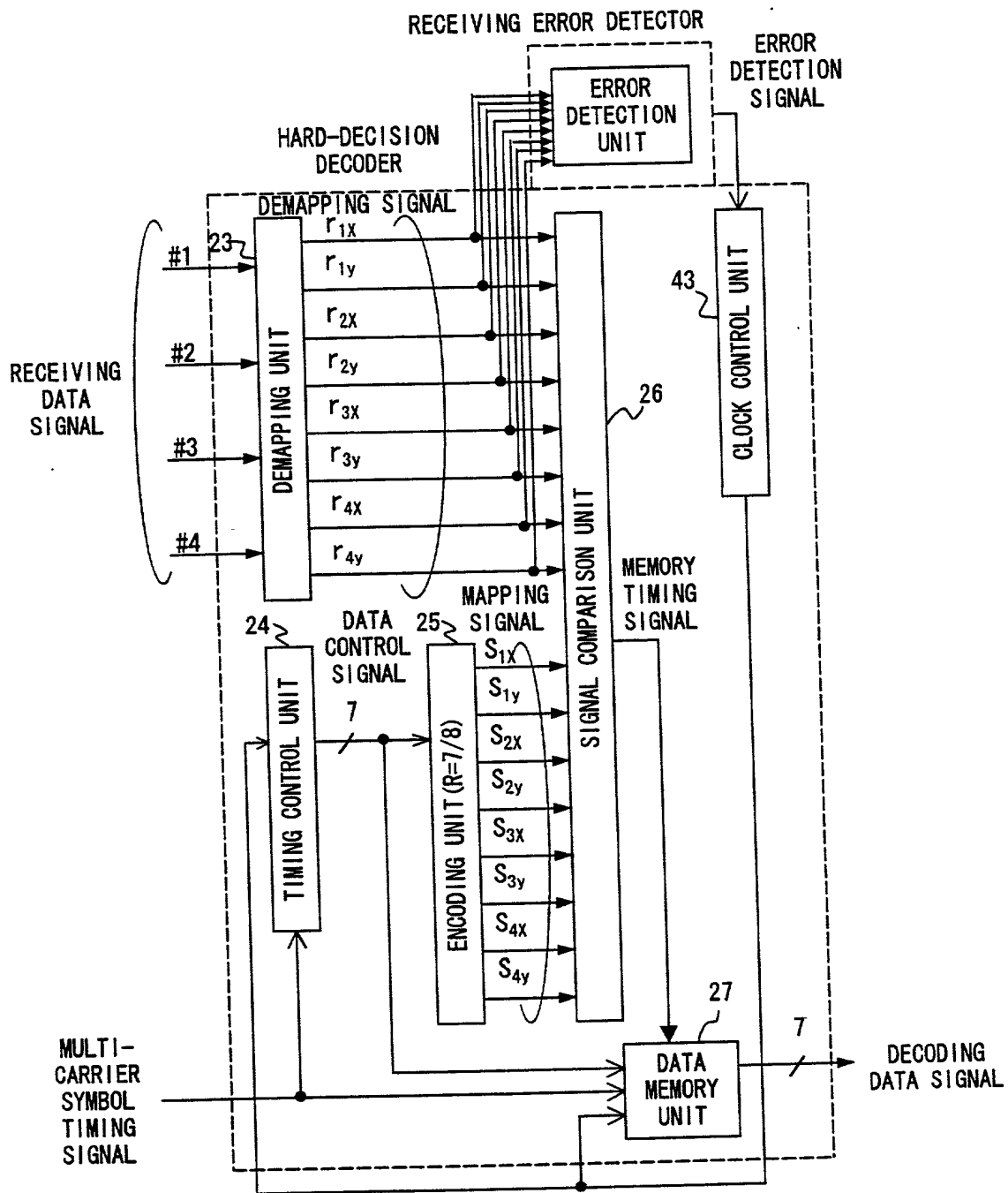


FIG. 15

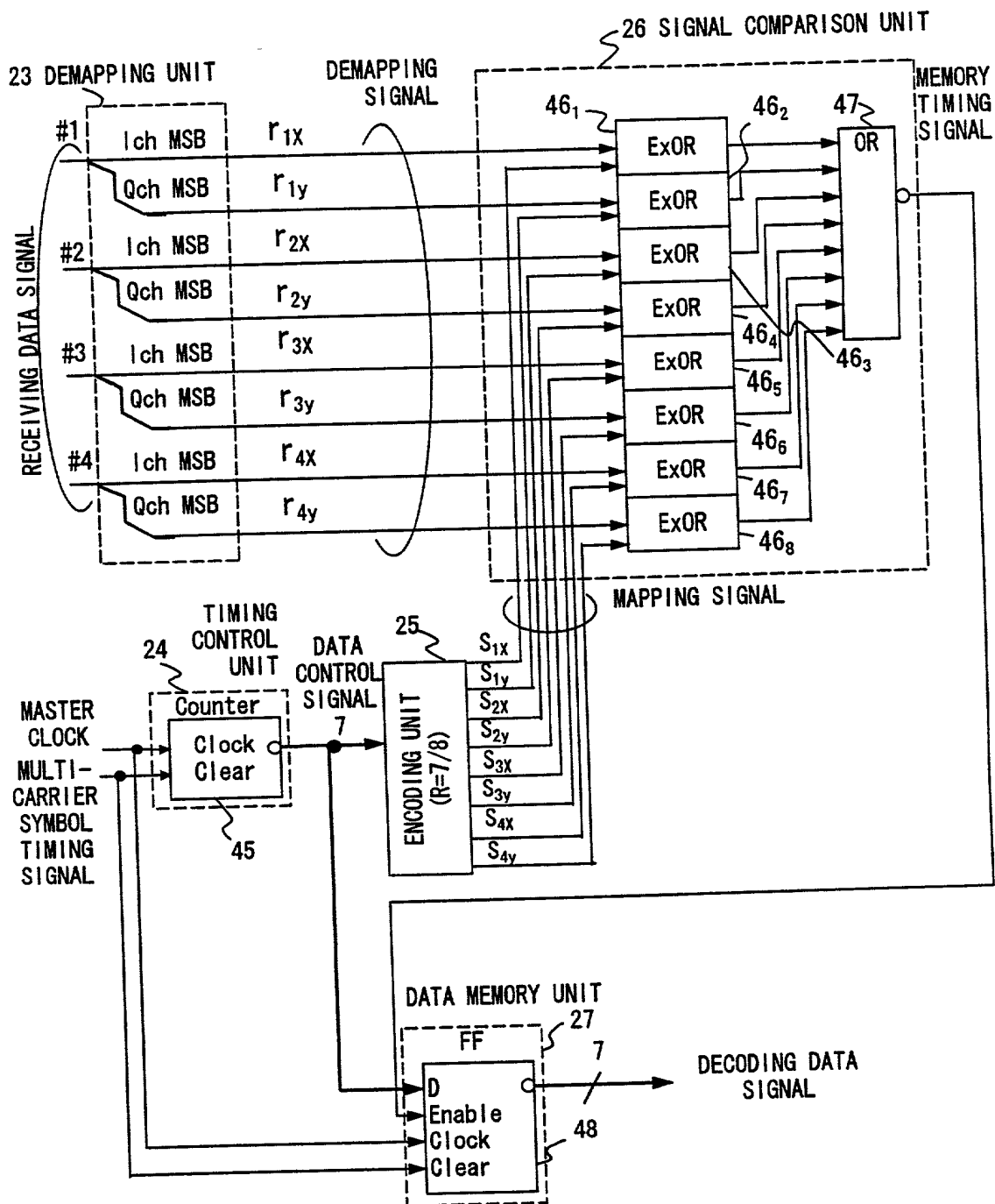
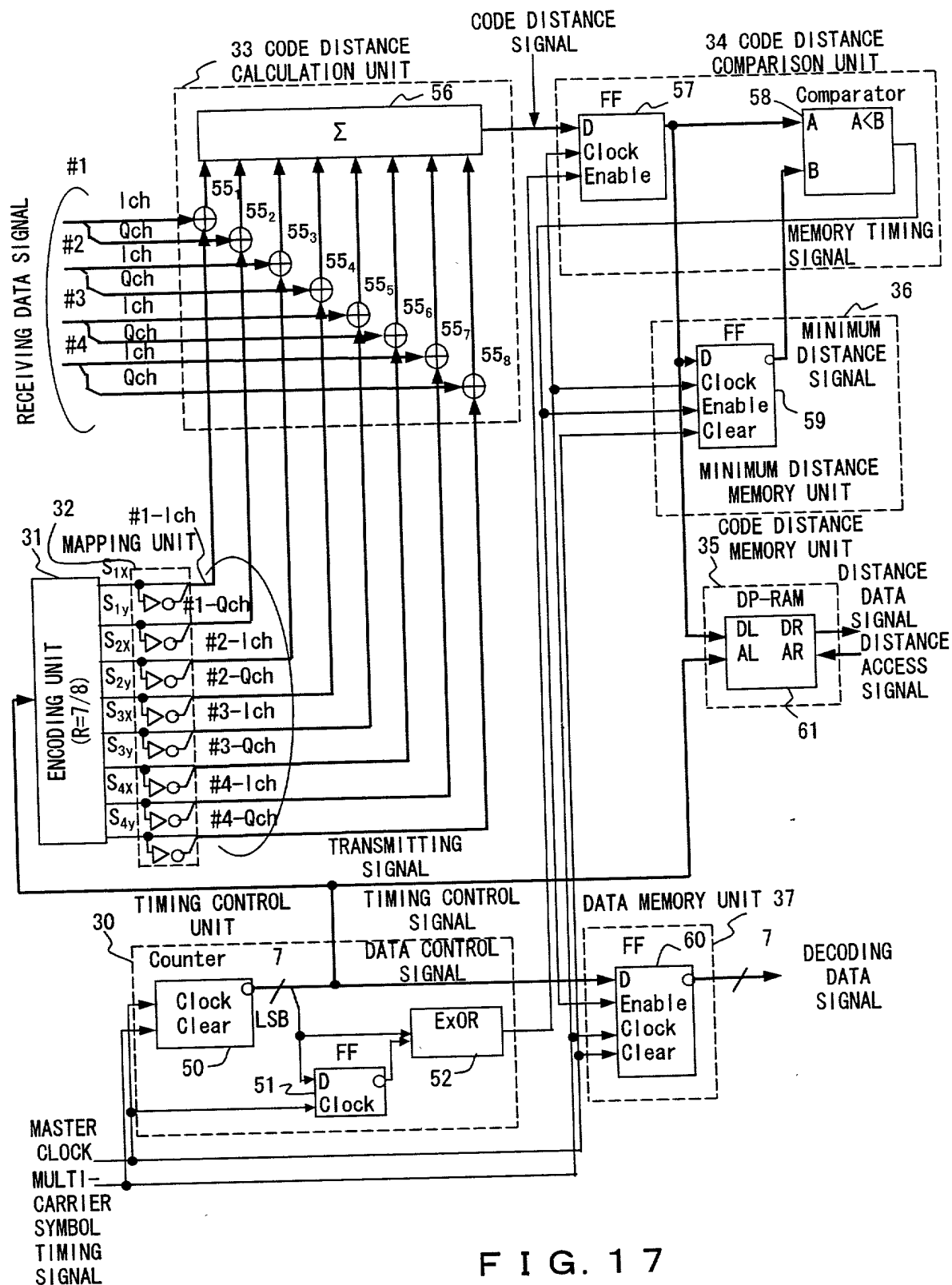


FIG. 16



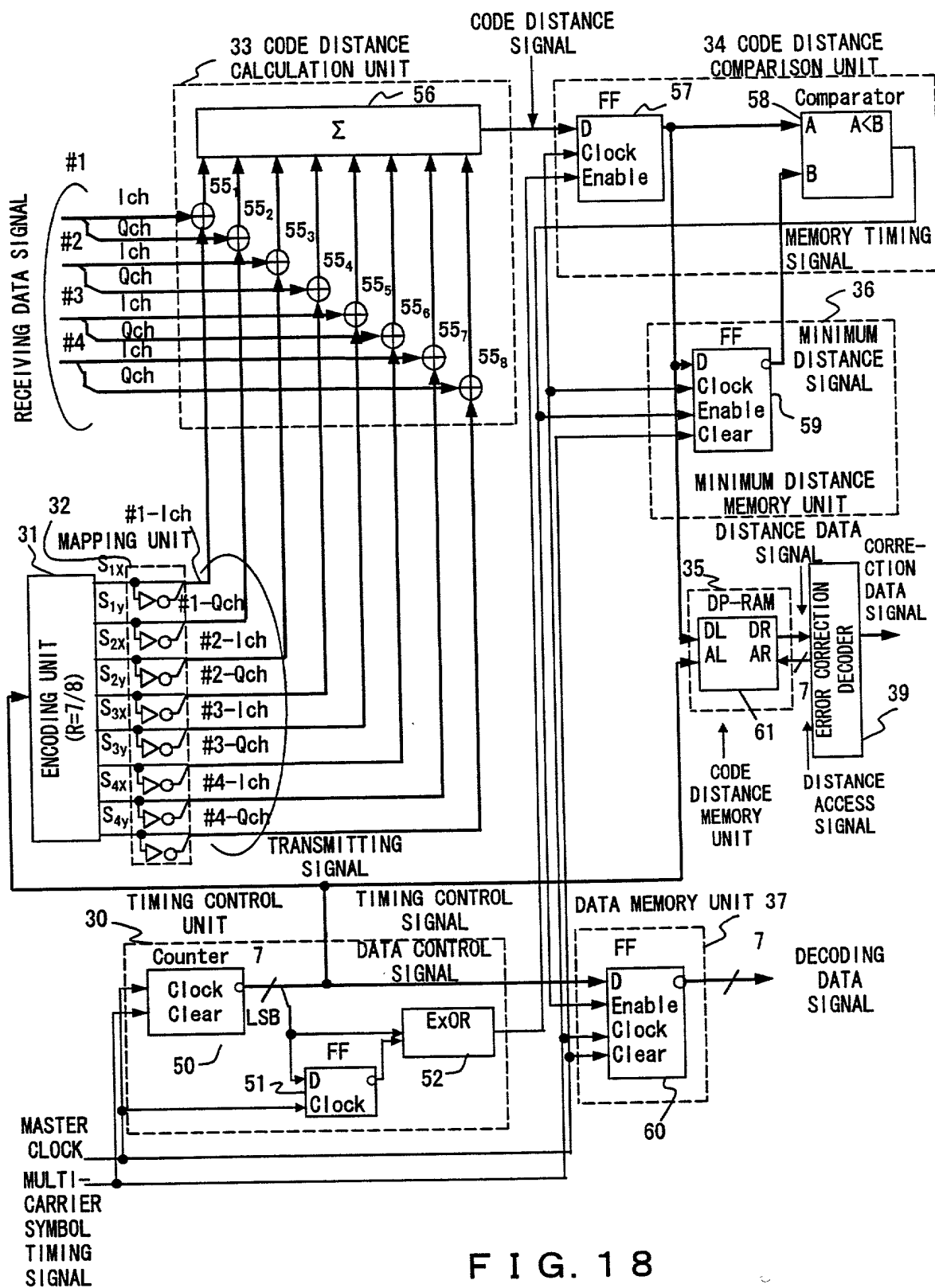


FIG. 18

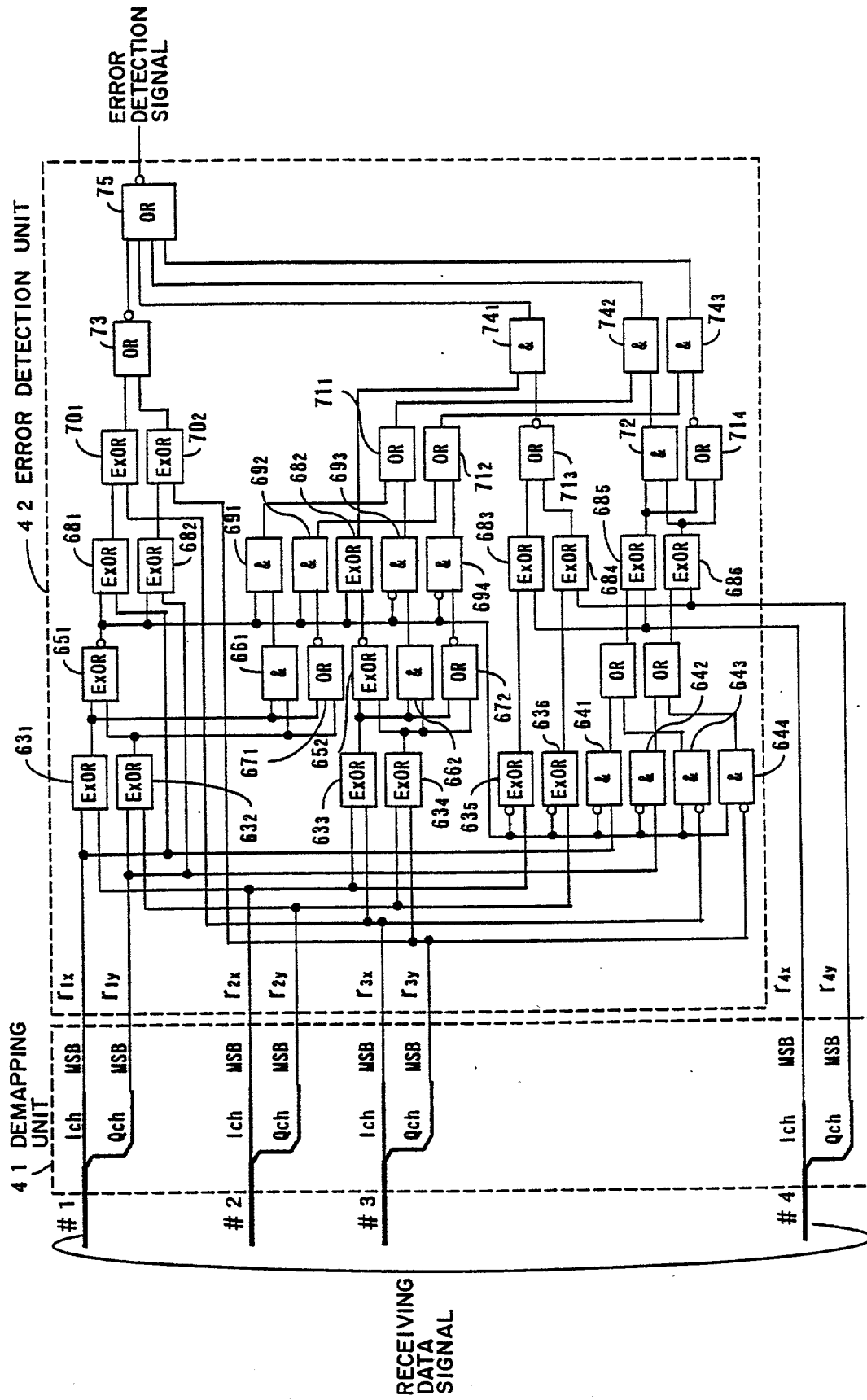


FIG. 19

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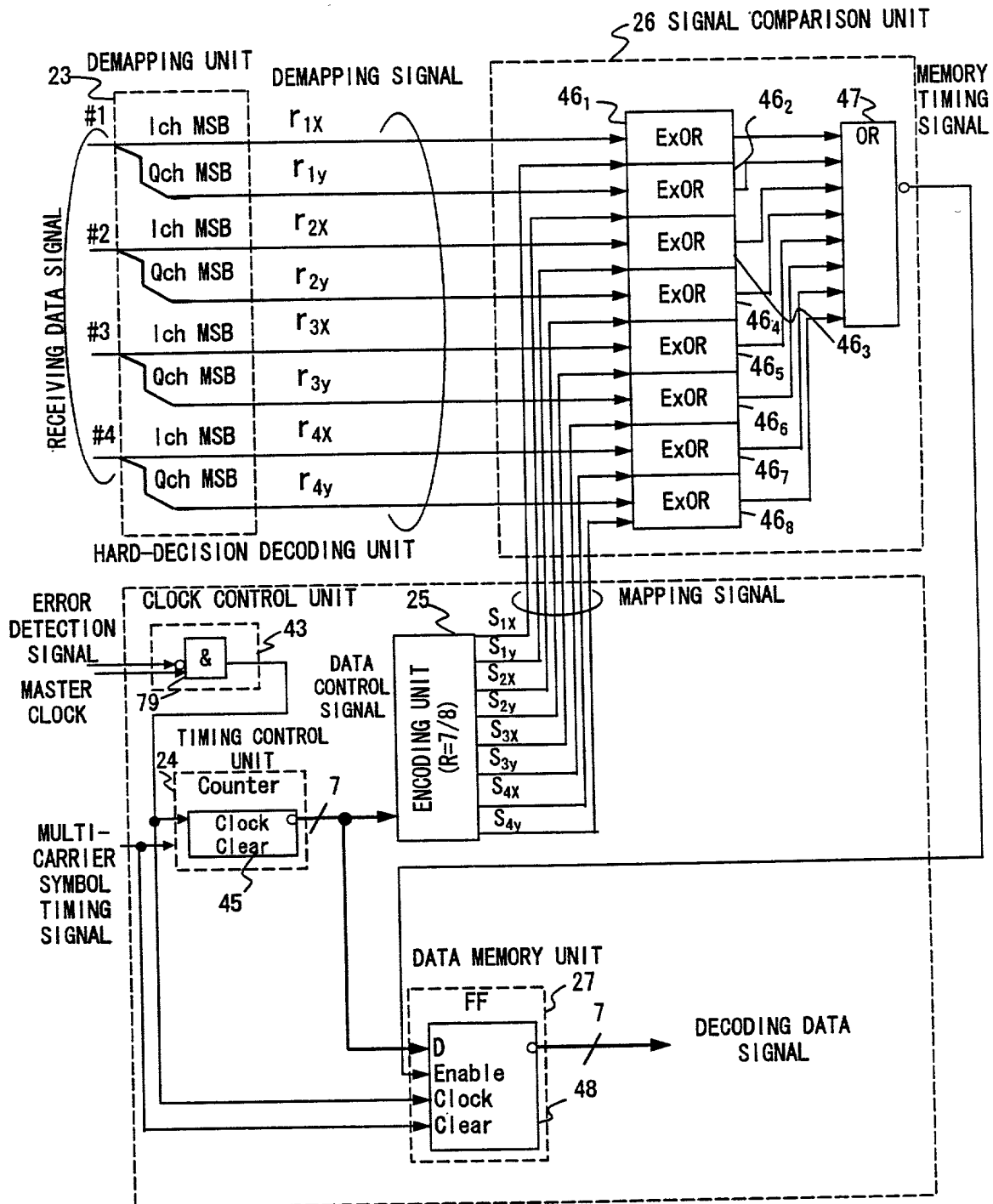
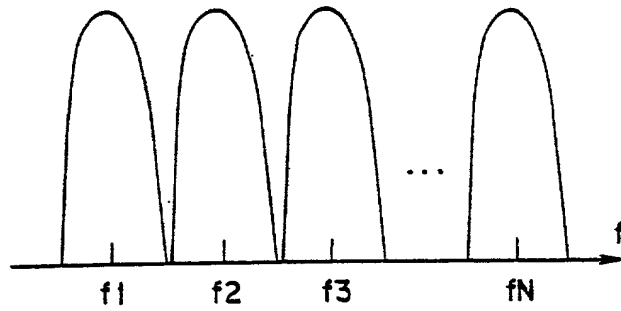
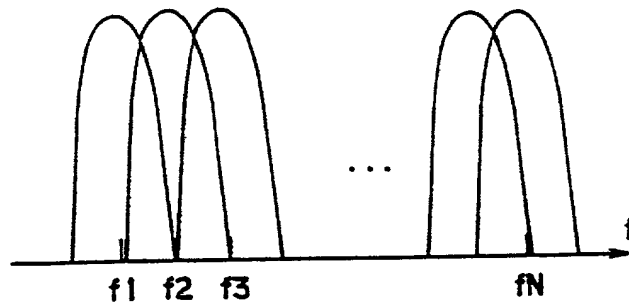


FIG. 20



MULTI-CARRIER
MODULATION

FIG. 21



ORTHOGONAL
FREQUENCY-DIVISION
MULTIPLEX

FIG. 22

EXPLANATION OF THE CODES

FIG. 1 100 NUMBER OF BITS LESS THAN $2n$
 102 n SUB-CARRIER MAPPING SIGNAL

FIG. 2 104 (S_x, S_y) : MAPPING SIGNAL

FIG. 8 106 SUB-CARRIER #1 MAPPING SIGNAL
 108 SUB-CARRIER #2 MAPPING SIGNAL
 110 SUB-CARRIER #3 MAPPING SIGNAL
 112 SUB-CARRIER #4 MAPPING SIGNAL

FIG. 9 114 SUB-CARRIER #3 MAPPING SIGNAL
 116 SUB-CARRIER #4 MAPPING SIGNAL

FIG. 10 118 SUB-CARRIER #1 MAPPING SIGNAL
 120 SUB-CARRIER #2 MAPPING SIGNAL
 122 SUB-CARRIER #3 MAPPING SIGNAL
 124 SUB-CARRIER #4 MAPPING SIGNAL
 126 SUB-CARRIER #5 MAPPING SIGNAL
 128 SUB-CARRIER #6 MAPPING SIGNAL
 130 SUB-CARRIER #7 MAPPING SIGNAL
 132 SUB-CARRIER #8 MAPPING SIGNAL
 134 SUB-CARRIER # $(4m-7)$ MAPPING SIGNAL
 136 SUB-CARRIER # $(4m-6)$ MAPPING SIGNAL
 138 SUB-CARRIER # $(4m-5)$ MAPPING SIGNAL
 140 SUB-CARRIER # $(4m-4)$ MAPPING SIGNAL
 142 SUB-CARRIER # $(4m-3)$ MAPPING SIGNAL
 144 SUB-CARRIER # $(4m-2)$ MAPPING SIGNAL
 146 SUB-CARRIER # $(4m-1)$ MAPPING SIGNAL
 148 SUB-CARRIER # $4m$ MAPPING SIGNAL

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